

## ABSTRACT OF THE DISCLOSURE

In a data demodulating method, predetermined input data is demodulated based upon a response characteristic of the partial response class 4; the demodulated input data is discrete-  
5 filtered to thereby produce filtering data; and the filtering data is maximum likelihood-decoded to thereby producing asymmetrical response data. Further, a magnetic recording/reproducing apparatus is arranged by using this data  
10 demodulating method.

Patent 5,253,650